

WHAT IS CLAIMED IS:

1. A method of enhancing error resiliency in an encoded video transmission, the method comprising:

receiving an indication that a first frame corresponds to a scene change;  
intracoding the first frame at least partly in response to receiving the indication that the first frame corresponds to a scene change;  
automatically intracoding the next consecutive frame; and  
transmitting the intracoded first frame and the intracoded next consecutive frame.

2. The method as defined in Claim 1, wherein the transmission of the intracoded first frame and the intracoded next consecutive frame is MPEG-4 compliant.

3. The method as defined in Claim 1, wherein the first frame is designated as an I-frame.

4. The method as defined in Claim 1, wherein the next consecutive frame is designated as an I-frame.

5. The method as defined in Claim 1, wherein the next consecutive frame is not a scene change frame.

6. The method as defined in Claim 1, wherein a frame immediately subsequent to the next consecutive frame is intercoded.

7. The method as defined in Claim 1, wherein the indication that the first frame corresponds to a scene change is read from a file.

8. A video coding apparatus, comprising:

a first instruction stored in a processor readable memory, the first instruction configured to receive an indication that a first frame is to be intracoded;

a second instruction stored in processor readable memory, the second instruction configured to intracode the first frame at least partly in response to the indication; and

a third instruction stored in processor readable memory, the third instruction configured to automatically intracode the frame immediately after the first frame as a result of the indication that the first frame is to be intracoded.

9. The video coding apparatus as defined in Claim 8, wherein the video coding apparatus is an integrated circuit.

10. The video coding apparatus as defined in Claim 8, wherein the video coding apparatus is a cellular phone.

11. The video coding apparatus as defined in Claim 8, wherein the video coding apparatus is a desktop computer.

12. The video coding apparatus as defined in Claim 8, wherein the video coding apparatus is a personal digital assistant.

13. The video coding apparatus as defined in Claim 8, wherein the first frame is a scene change frame.

14. The video coding apparatus as defined in Claim 8, further comprising a file used to store the indication that the first frame is to be intracoded.

15. A method of encoding video frames, the method comprising:

receiving a first instruction to intracode a first frame;

intracoding the first frame in response to the first instruction; and

intracoding a second frame as a result of the first instruction to intracode the first frame.

16. The method as defined in Claim 15, further comprising transmitting the intracoded first frame and the intracoded next frame.

17. The method as defined in Claim 15, wherein the first frame is a scene change frame.

18. The method as defined in Claim 15, wherein the second frame has an activity level that would cause it to be intercoded in the absence of the first instruction.

19. The method as defined in Claim 15, further comprising intercoding a third frame based at least in part on its relative visual motion, the third frame immediately subsequent to the second frame.

20. An encoding apparatus, comprising:

a means for receiving a first indication to intracode a first frame;

a means for intracoding the first frame in response to the first instruction; and

a means for intracoding a second frame as a result of the first instruction to intracode the first frame.

21. The encoding apparatus as defined in Claim 20, further comprising a means for providing the first intracoded frame and the second intracoded frame.

22. The encoding apparatus as defined in Claim 20, wherein the encoding apparatus is included in an integrated circuit.

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